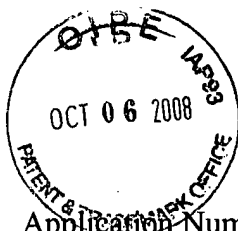


Cd#G

Application No. 10/506,518



In the United States Patent and Trademark Office

Application Number: 10/506,518

Application Filed: 05/09/2005

Applicant(s): Kenneth S. Watkins, Jr. et al.

Appn. Title: Electrical Condition Monitoring Method for Polymers

Examiner/GAU: T. Noland/2856

Docket No.: PAC-01

Customer No.: 24985

Mailed: 10/02/2008

At: Dahlonge, GA

Commissioner for Patents

PO Box 1450

Alexandria, VA 22313-1450

Request for Correction

Certificate
OCT 09 2008
of Correction

Sir:

In accordance with MPEP 1480, Certificates of Correction - Office Mistake, please amend the above-identified application in accordance with the Certificate of Correction (PTO/SB/44) and formal drawings (Sheets 1-8) attached.

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REMARKS

1. The Applicant submits that formal drawings (sheets 1-8) attached, were filed in Amendment 1 of PCT/US03/06844 on 16 May 2003 (copy attached) and receipted for (copy of Return Receipt Postcard dated 16 May 2003 by PCT/PTO attached) and therefore should have been entered as the issue drawings for the case. These formal drawings were filed in response to the "Invitation to Correct Defects in the International Application" mailed 09 April 2003. The instant case (US Application No. 10/506, 518) was filed as a section 371 case claiming priority of PCT/US03/06844 and with a filing date of May 9, 2005, almost two years after the filing of the formal drawings. The Applicant was not aware of the PTO error until issue of US Patent No. 7,414,416.

2. For the cited reasons, the Applicant requests expeditious correction to the patent per MPEP 1480.

Very Respectfully,



Kenneth S. Watkins, Jr.

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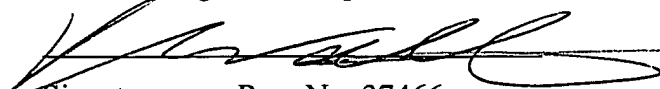
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Service as first class mail in an envelope addressed to: MS: Certificate of Correction,

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Reg. No. 37466

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 1 of 9

PATENT NO. : 7414416

APPLICATION NO.: 10/506518

ISSUE DATE : 08/19/2008

INVENTOR(S) : Watkins, Jr. et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Formal drawings (Sheets 1-8), attached, replace informal drawings (Sheets 1-8) as issued.

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MAILING ADDRESS OF SENDER (Please do not use customer number below):

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This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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International Appl. No. PCT/US03/06844

In the United States Patent and Trademark Office

PCT

COPY

FILE

International Application Number: PCT/US03/06844

International filing date: 05 Mar 2003

Priority date: 06 Mar 2002

Application title: An electrical Condition Monitoring Approach For Polymers

Applicant's file reference: BPW-06-PCT

Mailed: 16 May 2003

At: Dahlonaga, GA

Amendment 1

Commissioner of Patents and Trademarks
Box PCT
Washington, District of Columbia 20231

Sir:

Please enter this request for extension of time for filing a response to "Invitation to Correct Defects In the International Application" mailed 09 Apr 2003.

1

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Please enter the following:

1. Power of Attorney (5 sheets) in response to Annex A to form PCT/RO/106
2. New Drawings (8 sheets) in response to Annex C1 to form PCT/RO/106

REMARKS-GENERAL

1. This amendment is submitted to be fully responsive to the "Invitation to Correct Defects in The International Application Mailed 09 Apr 2003. The Applicant further submits that no new matter has been introduced as a result of this amendment.

Very Respectfully,



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BPW-06-PCT

The following has been received in the Patent and Trademark Office Ref:

Appl. No PCT/US03/06884 File Date: 05 Mar 2003 Inventor: Watkins et al.

Title: An Electrical Condition Monitoring Approach For Poly

- Amendment 1 Mailed 16 May 2003
- Power of Attorneys (6 sheets)
- New Drawings, 8 sheets

Q120 Rec'd PCT/PTO 12 MAY 2003

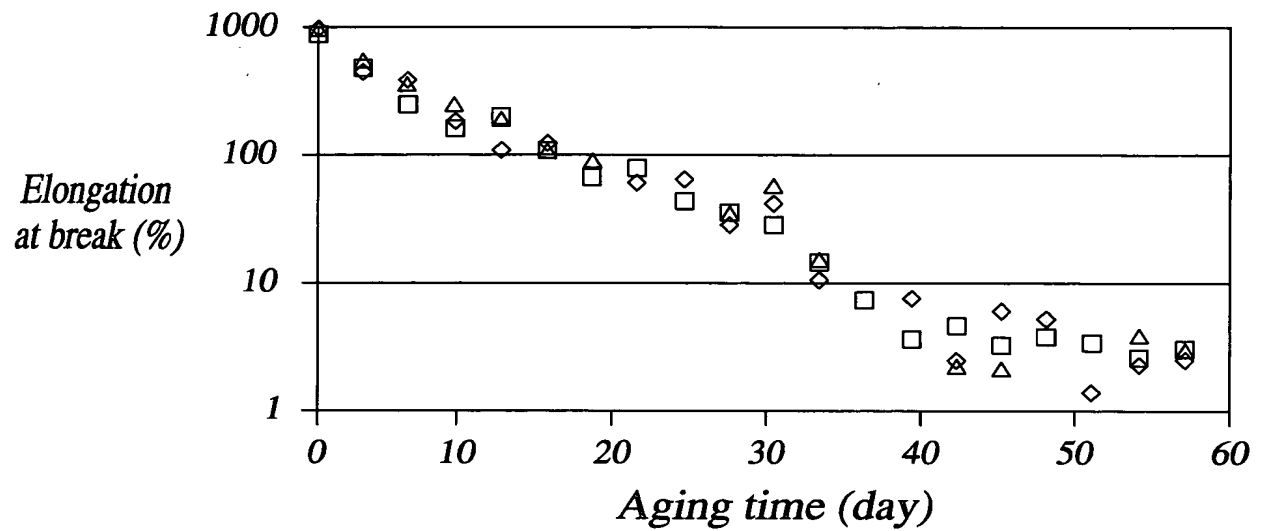
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FIG. 1A

Elongation at break versus aging time for sample with 25% carbon black

**FIG. 1B**

Volume Change versus Aging time

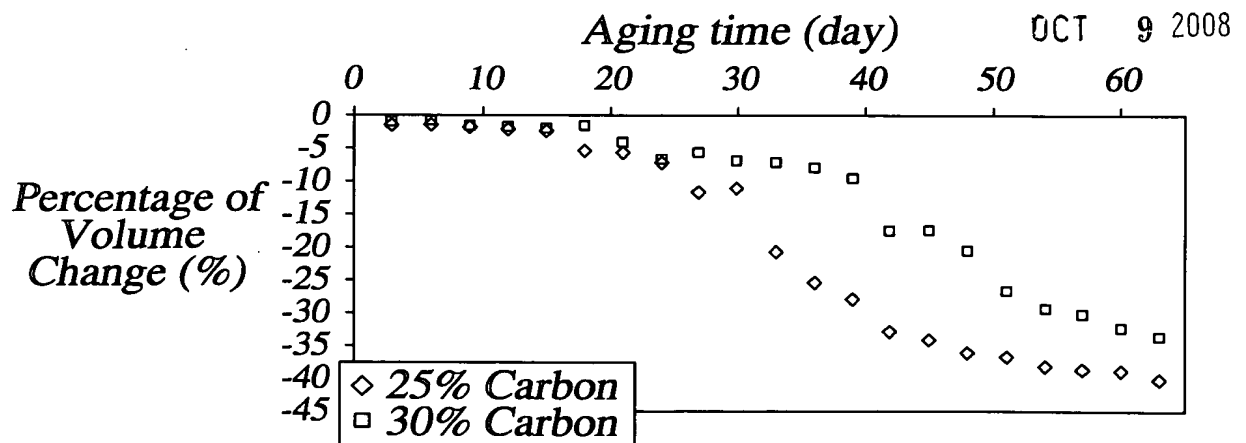
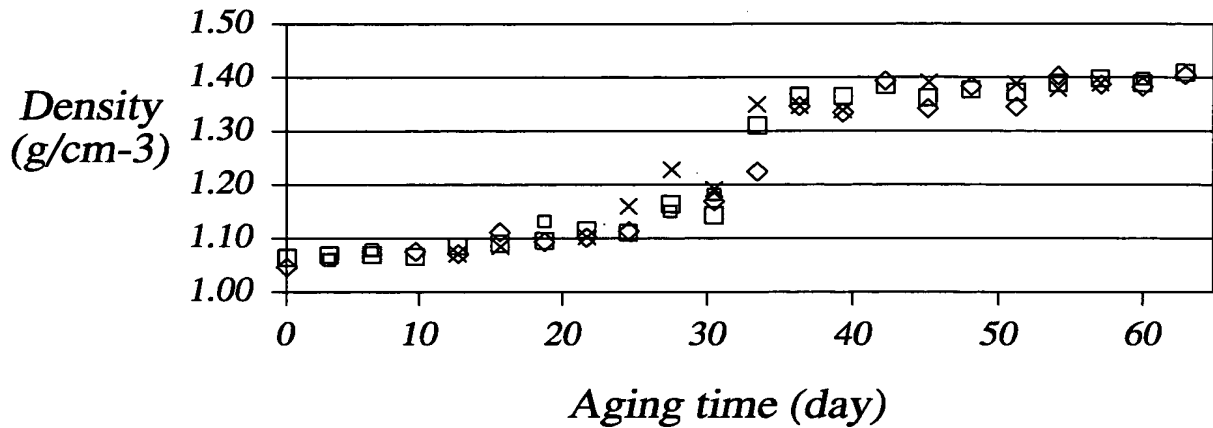
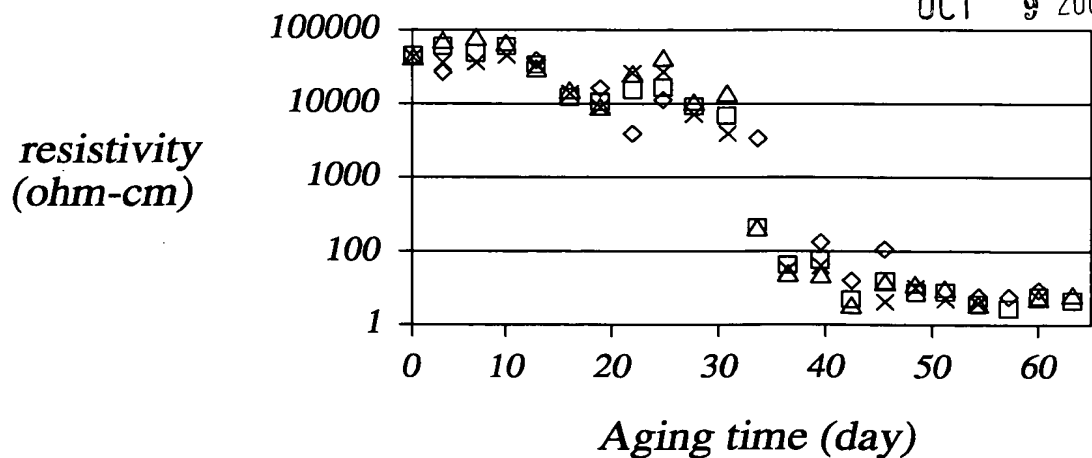


FIG.1C

Density of sample with 25% carbon black versus aging time at 125C

**FIG.1D**

Restivitivity versus aging time for sample with 25% carbon black loading (aging temperature: 125C, measured one day after the sample was taken out)



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FIG.2A

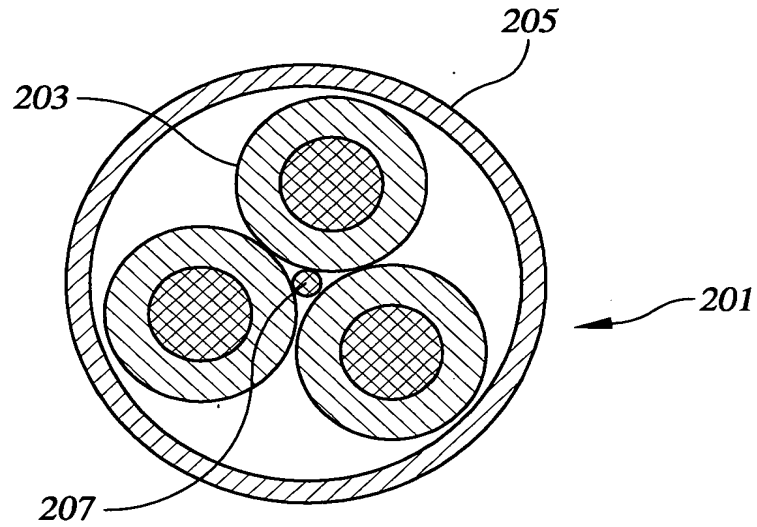
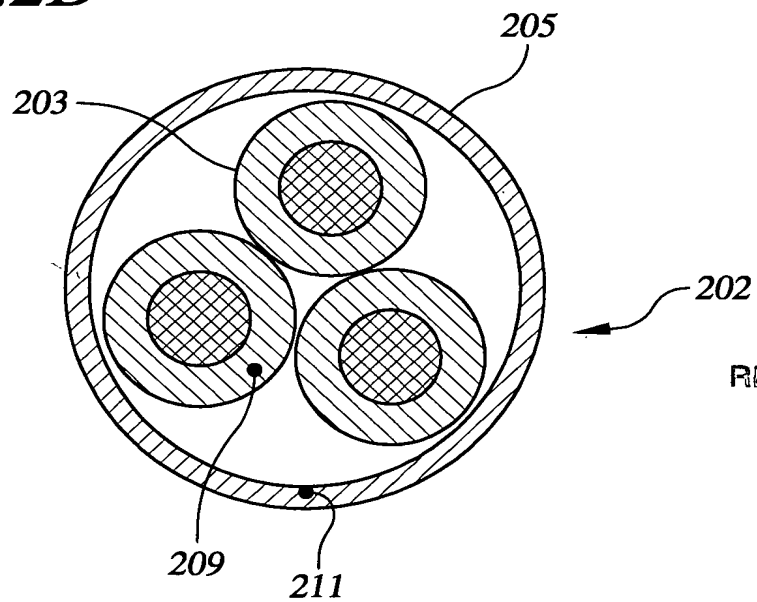
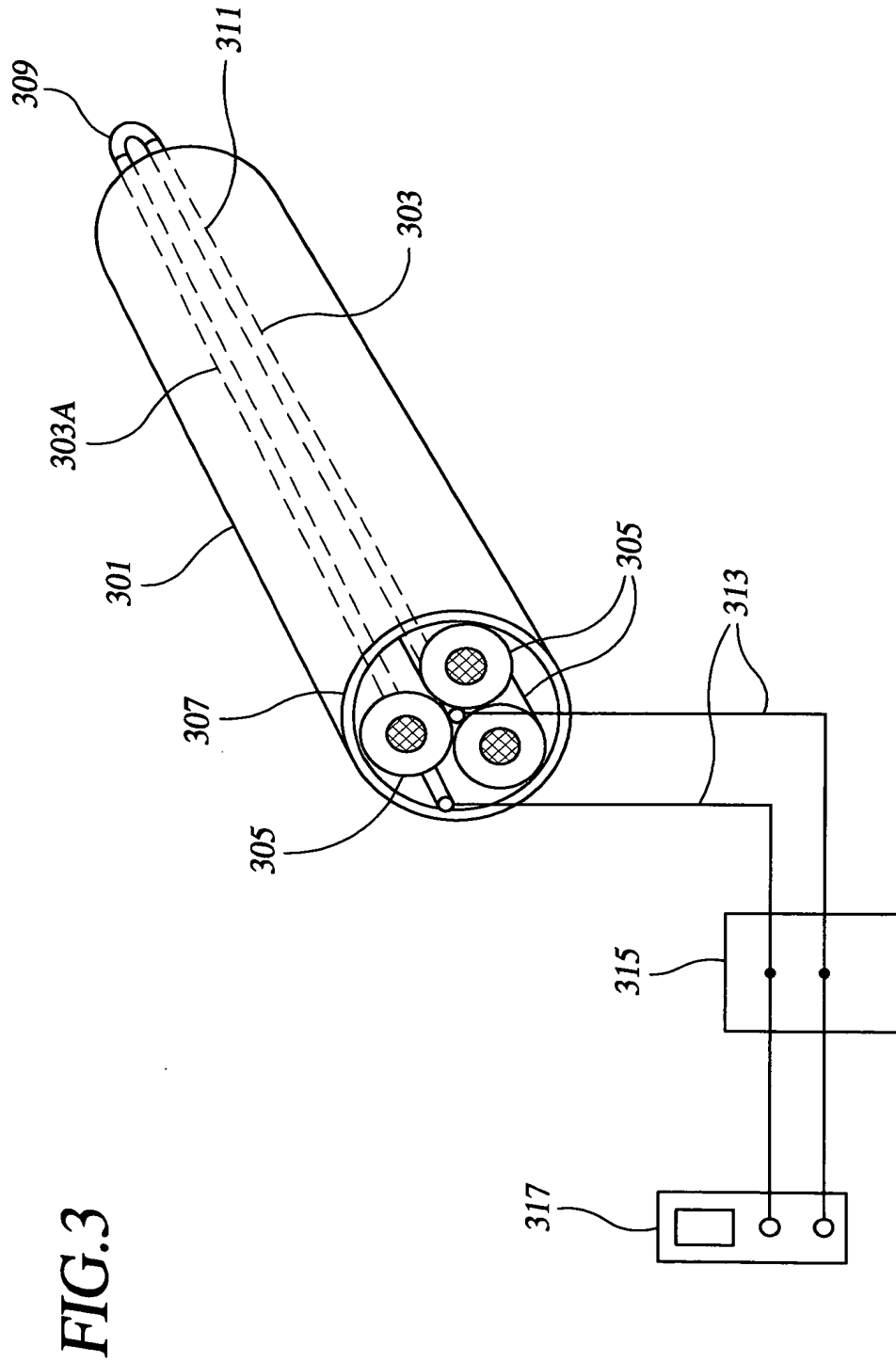


FIG.2B



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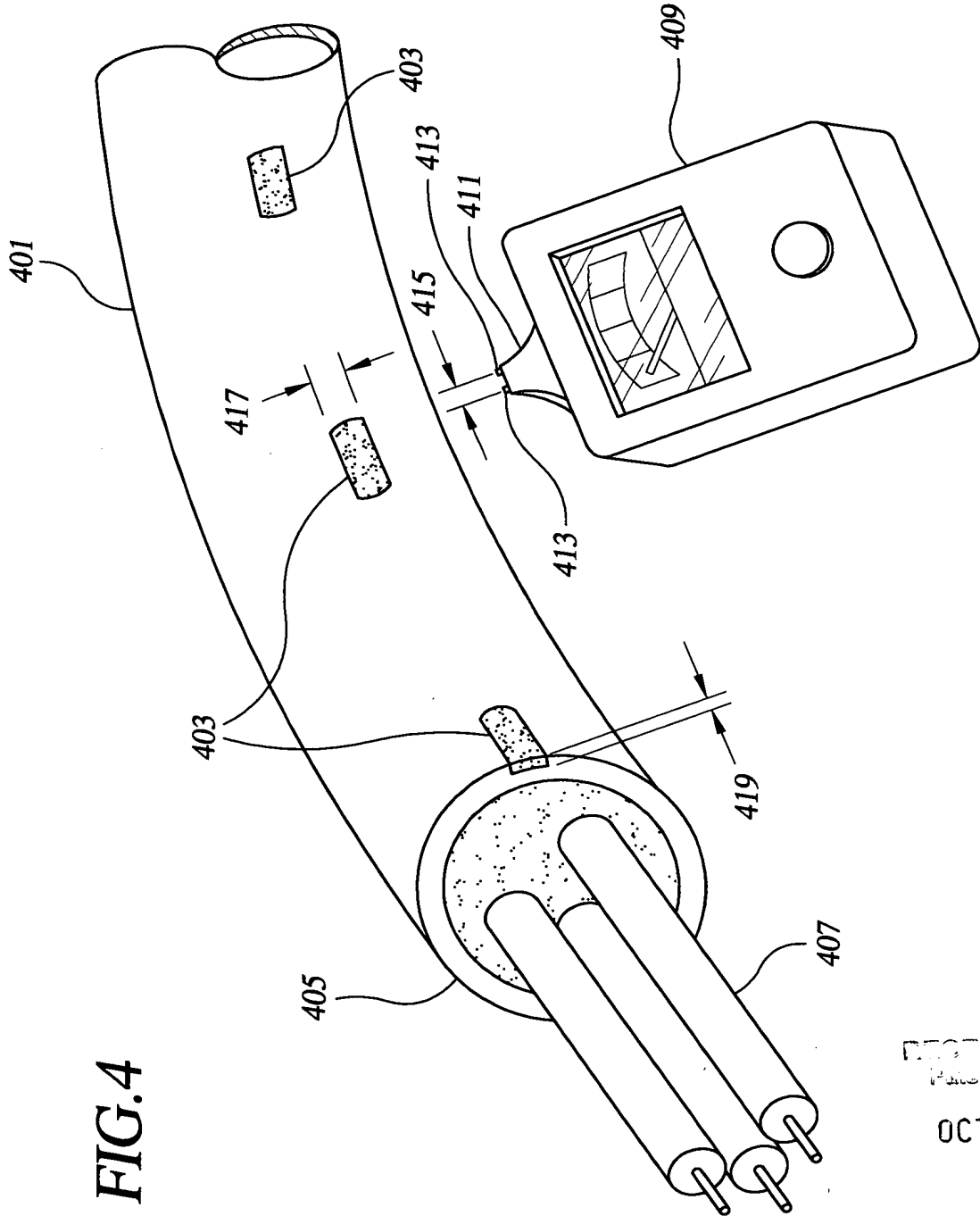
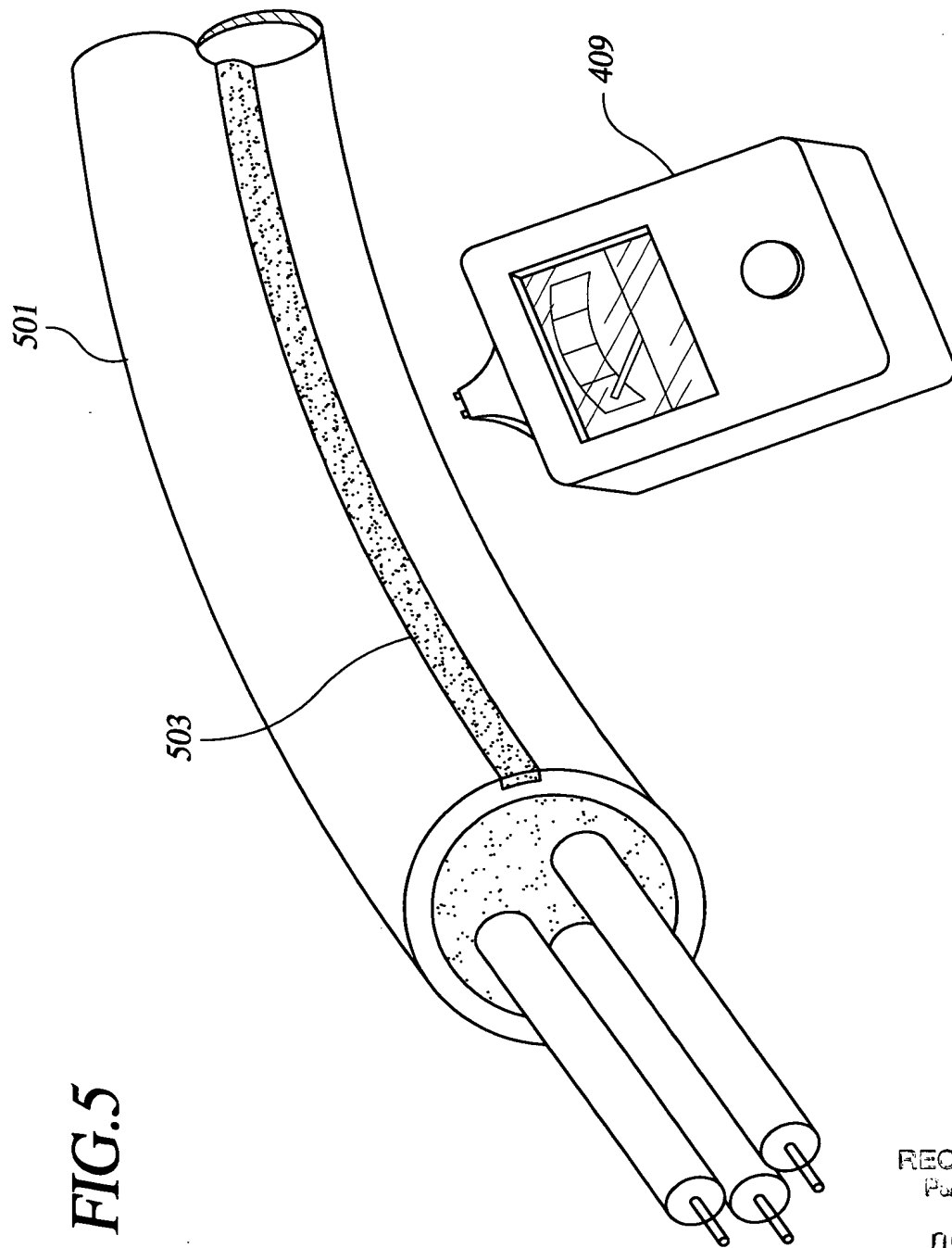


FIG. 4

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**FIG. 5**

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FIG. 6

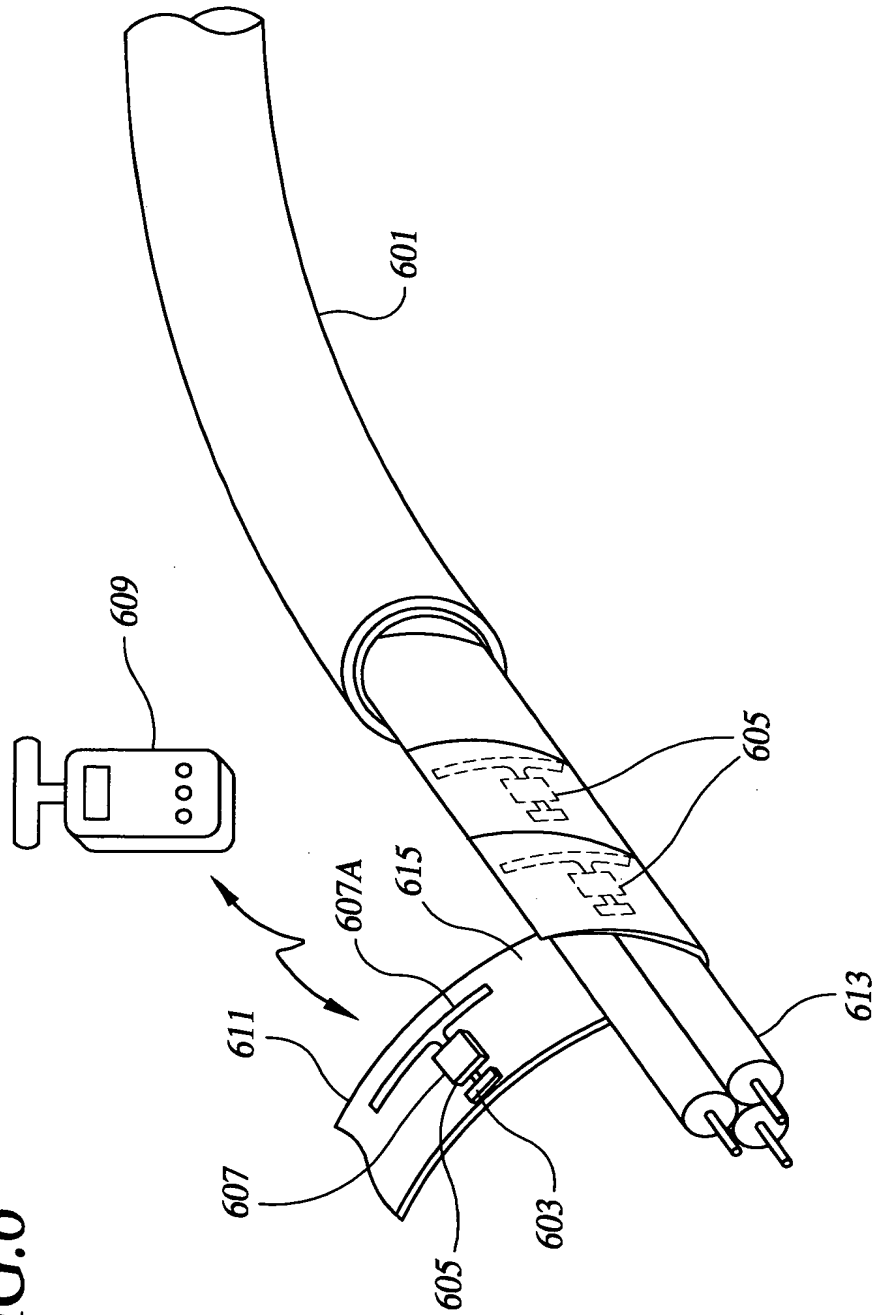
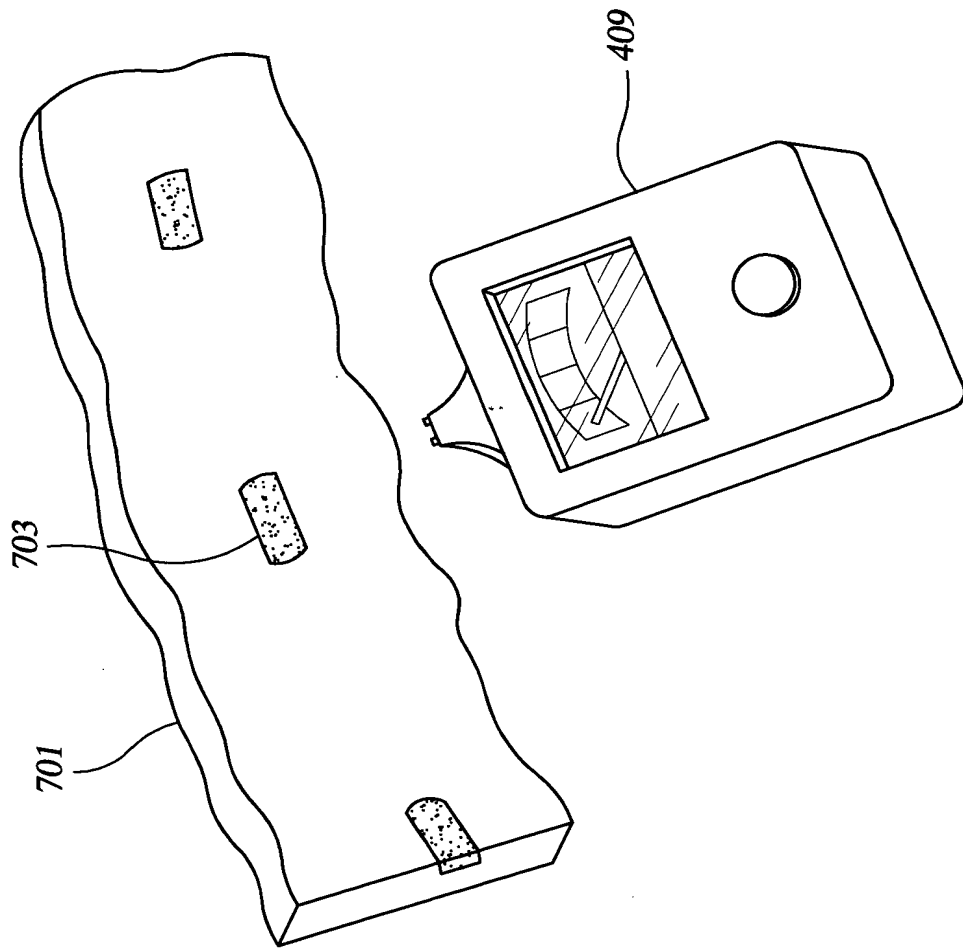


FIG. 7



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